

WHAT IS CLAIMED IS

1. An inkjet recording medium characterized by that formed by providing a recording layer comprising alumina and polyvinyl alcohol on a support having air permeability, coating a treatment solution which solidifies said polyvinyl alcohol on the recording layer while it is still wet, pressing said recording layer on a heated mirror surface while said recording layer is still wet and drying so as to confer gloss to said recording layer surface, wherein said treatment solution contains a borate and a water-soluble magnesium salt.

2. The inkjet recording medium according to Claim 1, wherein the concentrations of said borate and water-soluble magnesium salt are respectively 0.4-6wt% and 0.5-6wt% in terms of anhydrides.

3. The inkjet recording medium according to Claim 1, wherein the water-soluble magnesium salt in said treatment solution is at least one salt selected from among magnesium chloride, magnesium sulfate and magnesium nitrate.

4. The inkjet recording medium according to Claim 1, wherein said treatment solution contains boric acid.

5. The inkjet recording medium according to Claim 1, wherein a ratio of binder and pigment in the recording layer is that the binder is 5wt parts-30wt parts relative to 100wt

parts of pigment.

6. The inkjet recording medium according to Claim 5,
wherein said amount of binder in the recording layer is more
5 than 30 wt%.
7. The inkjet recording medium according to Claim 1,
wherein said treatment solution further contains boric acid.
- 10 8. The inkjet recording medium according to Claim 1,
wherein said borate is borax.
9. The inkjet recording medium according to Claim 1,
wherein a concentration of the borate in said treatment
15 solution is 0.5~4.5 wt% in terms of anhydride.
10. The inkjet recording medium according to Claim 7,
wherein a weight ratio of borate and boric acid(borate/boric
acid) in said treatment solution is 1/4~2/1 in terms of
20 anhydride.
11. The inkjet recording medium according to Claim 1,
wherein the water-soluble magnesium salt is at least one salt
selected from among magnesium chloride, magnesium sulfate and
25 magnesium nitrate.
12. The inkjet recording medium according to Claim 1,
wherein the concentration of the water-soluble magnesium salt
is 0.5-6wt% in terms of anhydrides.

13. The inkjet recording medium according to Claim 1, wherein a release agent is further contained in the recording layer and/or the treating solution.

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14. The inkjet recording medium according to Claim 13, wherein a melting point of said release agent is 90~150 °C.

15. The inkjet recording medium according to Claim 1,
10 wherein a coating amount of the recording layer is 5~30 g/m².

16. A method of manufacturing an inkjet recording medium characterized by providing a recording layer comprising alumina and polyvinyl alcohol on a support having air
15 permeability, coating a treatment solution which contains a borate and a water-soluble magnesium salt on the recording layer while it is still wet, pressing said recording layer on a heated mirror surface while said recording layer is still wet and drying so as to confer gloss to said recording layer
20 surface.

17. The method of manufacturing an inkjet recording medium according to Claim 16, wherein said treatment solution further contains boric acid.

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